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**PATENTS**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: )  
)  
**McMurray et al.** )  
)  
Serial No.: **10/643,831** )  
)  
Filed: **August 19, 2003** )  
)  
For: **LEAD ATTACHED SABOT SLUG** )

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants hereby voluntarily disclose the items listed on the attached Form PTO/SB/08A to the Commissioner for Patents. Copies of items A-I are enclosed herewith.

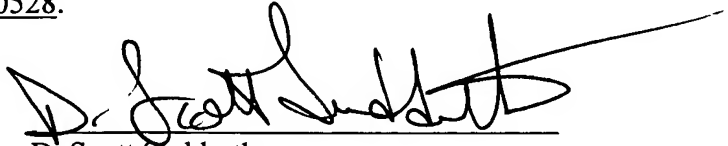
Applicants further reserve the right to establish the patentability of the claimed invention over any of the listed information should they be applied as references, and/or to prove that some of the cited information may not be prior art, and/or to prove that some of the cited information may not be enabling for the teachings they purport to offer. This statement further should not be construed as the representation that an exhaustive search has been made, or that the information cited herewith is material, or that there does not exist information more material to the examination of the present Application. The Examiner is specifically requested not to rely solely on the information submitted herein. On the contrary, the Examiner is requested to conduct an independent and thorough review of the information, and to form independent opinions as to their significance.

07/28/2004 BABRAHA1 00000137 090528 10643831  
01 FC:1806 180.00 DA

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO/SB/08A and to indicate in the official file wrapper of the above-identified patent application that each item of the cited information has been considered.

The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to account no. 09-0528.

Date: 7/22/04

  
D. Scott Sudderth  
Reg. No. 34,026

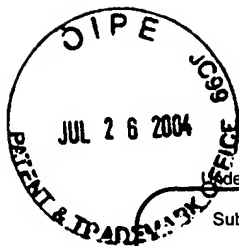
Womble Carlyle Sandridge & Rice, PLLC  
P.O. Box 7037  
Atlanta, GA 30357-0037  
(404) 879-2423 (Telephone)  
(404) 879-2923 (Facsimile)

Docket No.: R087.1270.1

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July 22, 2004  
Sharon R. Dunn



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/643,831
Filing Date	August 19, 2003
First Named Inventor	McMurray
Art Unit	3644
Examiner Name	Charles T. Jordan
Attorney Docket Number	R087.1270.1

Sheet \_\_\_\_\_ of \_\_\_\_\_

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A	US- 2,978,742	04/11/1961	Bliemeister	
	B	US- 3,062,145	11/06/1962	Morgan et al.	
	C	US- 3,677,669	07/18/1972	Bliemeister	
	D	US- 4,718,348	01/12/1988	Ferringo	
	E	US- 4,892,861	01/09/1990	Ray	
	F	US- 4,920,888	05/01/1990	Luther et al.	
	G	US- 5,127,332	07/07/1992	Corzine et al.	
	H	US- 5,167,697	12/01/1992	Koumura et al.	
	I	US- 5,187,325	02/16/1993	Garvison	
		US-			
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 180.00

**Complete if Known**

Application Number	10/543,831
Filing Date	August 19, 2003
First Named Inventor	Christopher R. McMurray
Examiner Name	Charles T. Jordan
Art Unit	3644
Attorney Docket No.	R087.1270.1

**METHOD OF PAYMENT** (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

09-0528

Womble Carlyle Sandridge &amp; Rice PLLC

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$ )

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

	Extra Claims	Fee from below	Fee Paid
Total Claims	-20* =	X	
Independent Claims	-3** =	X	
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ )

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION** (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	180.00
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ ) 180.00

**SUBMITTED BY**

Name (Print/Type)	D. Scott Sudderth	Registration No. (Attorney/Agent)	34,026	Telephone	(404)872-7000
Signature	<i>D. Scott Sudderth</i>	Date	7/22/04		

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.

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## PATENTS

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: )  
                    **McMurray et al.** )  
Serial No:     **10/643,831** )  
Filed:         **August 19, 2003** )  
For:           **LEAD ATTACHED** )  
                    **SABOT SLUG** )

### SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicant hereby voluntarily discloses the items listed on the attached Form PTO/SB/08A to the Commissioner for Patents. Copies of items A-G are enclosed herewith.

Copies of the references listed on the attached Form PTO/SB/08A are being submitted at this seemingly late date because they were only recently brought to our attention as a result of foreign prosecution; a certification, as specified in paragraph (e) of 37 CFR 1.97, is enclosed herewith.

Applicant further reserves the right to establish the patentability of the claimed invention over any of the listed information should they be applied as references, and/or to prove that some of the cited information may not be prior art, and/or to prove that some of the cited information may not be enabling for the teachings they purport to offer. This statement further should not be construed as the representation that an exhaustive search has been made, or that the information

cited herewith is material, or that there does not exist information more material to the examination of the present Application. The Examiner is specifically requested not to rely solely on the information submitted herein. On the contrary, the Examiner is requested to conduct an independent and thorough review of the information, and to form independent opinions as to their significance.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO/SB/08A and to indicate in the official file wrapper of the above-identified patent application that each item of the cited information has been considered.

Respectfully submitted,

7/21/04  
Date

D. Scott Sudderth  
D. Scott Sudderth  
Reg. No. 34,026

Womble Carlyle Sandridge & Rice, PLLC  
P.O. Box 7037  
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Docket No.: R087.1270.1

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July 22, 2004  
Shaun R. Dunn



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: )  
                    **McMurray et al.** )  
Serial No:     **10/643,831** )  
Filed:         **August 19, 2003** )  
For:           **LEAD ATTACHED** )  
                    **SABOT SLUG** )

**37 CFR 1.97(e) CERTIFICATION**

Commissioner for Patents  
P.O. Box 1450  
Arlington, VA 22313-1450

Sir:

This certification is being submitted, in accordance with 37 CFR 1.97, with the Information Disclosure Statement enclosed herewith. Each reference cited by the Information Disclosure Statement was cited in a communication from a foreign patent office regarding a related foreign application. The communication from the foreign patent office was not received more than three months prior to the submittal of this certification.

Respectfully submitted,

7/21/04  
Date

D. Scott Sudderth  
D. Scott Sudderth  
Reg. No. 34,026

Womble Carlyle Sandridge & Rice, PLLC  
P.O. Box 7037  
Atlanta, GA 30357-0037  
(404) 872-2423 (Telephone)  
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Docket No.: R087.1270.1

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July 23, 2004  
Sharon R. Dean

